ABSTRACT OF THE DISCLOSURE

Methods and systems for accessing information in and loading encrypted information to memory. A processor provides virtual address information to a memory management unit. In response, the memory management unit retrieves a key tag and physical address information corresponding to the virtual address information. The memory management unit then sends the key tag and physical address information to the processor. The processor then determines whether a memory location corresponding to the physical address information is encrypted based on the key tag, and retrieves a secret key using the key tag based on the determining. Thereafter, information read from the memory location is decrypted using the secret key.

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